Reset Single Sign-On (SSO) Configuration on SNA Manager

Contents

Introduction

This document describes how to set the Single Sign On (SSO) to the empty/default values on the Secure Network Analytics Manager.

Prerequisites

Requirements

There are no specific requirements for this document.

Components Used

The information in this document is based on the Secure Network Analytics Manager (SMC) Version 7.1 and later.

An SSH client/application with copy-and-paste functionality is encouraged for this article.

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, ensure that you understand the potential impact of any command.

Problem

The SSO settings configured are invalid, or outdated, or the Central Management shows Configuration Changes Failed after an invalid or obsolete SSO configuration was saved.

Solution

There are two parts to the SSO Configuration which are Central Management and Fedlet Manager. If a comparison of the original and final configurations is desired, then run all listed

steps. If a comparison is not desired then only run the commands that are not marked as (Optional). A One-Liner command at the end of this article performs the steps for you.

Step 1. (Optional) If you wish to compare the current Central Management configuration with the end result, run the **jq '.configurableElements.sso' /lancope/var/services/cm/configuration/$(awk -F\" '{print $8}'** **/lancope/var/services/cm-agent/configuration/managementChannel.json)/config.json > jqdoldcm.json** command.

```
741smc:~# jq '.configurableElements.sso' /lancope/var/services/cm/configuration/$(awk -F\"
'{print $8}' /lancope/var/services/cm-agent/configuration/managementChannel.json)/config.json >
jqdoldcm.json
741smc:~#
```

Step 2. (Optional) if you wish to compare the current configuration with the end result, run the jq . /lancope/var/fedlet-manager/conf/fedlet-manager.json > jqdoldfm.json command.

```
741smc:~# jq . /lancope/var/fedlet-manager/conf/fedlet-manager.json > jqdoldfm.json
741smc:~#
```

Step 3. Create a temporary variable with the tmpfile=$(mktemp) command.

```
741smc:~# tmpfile=$(mktemp)
741smc:~#
```

Step 4. Create a temporary variable with the **cm_file=$(echo /lancope/var/services/cm/configuration/$(awk -F\"** **'{print $8}' /lancope/var/services/cm-agent/configuration/managementChannel.json)/config.json)**command.

```
741smc:~# cm_file=$(echo /lancope/var/services/cm/configuration/$(awk -F\" '{print $8}'
/lancope/var/services/cm-agent/configuration/managementChannel.json)/config.json)
741smc:~#
```

Step 5. Determine your current Secure Network Analytics version with the echo $SWINFO_version command.

```
741smc:~# echo $SWINFO_version
7.4.1
```

If the SMC version is 7.4.1, run these commands:

```
741smc:~# cp $cm_file $tmpfile && jq --arg foo "" --argjson bar false
'.configurableElements.sso.ssoEnabled = $bar|.configurableElements.sso.ssoDescription =
$foo|.configurableElements.sso.idpXml = $foo|.configurableElements.sso.ssoProxy =
$foo|.configurableElements.sso.ssoOnly = $bar|.configurableElements.sso.downloadIdpXml = $bar'
"$tmpfile" > $cm_file && rm -f -- $tmpfile
741smc:~# cp /lancope/var/fedlet-manager/conf/fedlet-manager.json $tmpfile && jq --arg foo "" --
argjson bar false '.ssoEnabled = $bar|.ssoDescription = $foo|.idpXml = $foo|.ssoProxy =
$foo|.state = "NO_CONFIGURATION"|.message="Single Sign-On is not configured."' $tmpfile
>/lancope/var/fedlet-manager/conf/fedlet-manager.json && rm -f -- $tmpfile
741smc:~#
```

If the SMC version is earlier than 7.4.1, run these commands:

```
711smc:~# cp $cm_file $tmpfile && jq --arg foo "" --argjson bar false
'.configurableElements.sso.ssoEnabled = $bar|.configurableElements.sso.ssoDescription =
$foo|.configurableElements.sso.idpXml = $foo|.configurableElements.sso.ssoOnly =
$bar|.configurableElements.sso.downloadIdpXml = $bar' "$tmpfile" > $cm_file && rm -f -- $tmpfile
711smc:~# cp /lancope/var/fedlet-manager/conf/fedlet-manager.json $tmpfile && jq --arg foo "" --
```

```
argjson bar false '.ssoEnabled = $bar|.ssoDescription = $foo|.idpXml = $foo|.state =
"NO_CONFIGURATION"|.message="Single Sign-On is not configured."' $tmpfile >/lancope/var/fedlet-
manager/conf/fedlet-manager.json && rm -f -- $tmpfile
711smc:~#
```

Step 6. (Optional) If you wish to compare the end result configuration with the original configurations, run these commands:

```
741smc:~# jq '.configurableElements.sso' $cm_file > jqdnewcm.json
741smc:~# jq . /lancope/var/fedlet-manager/conf/fedlet-manager.json > jqdnewfm.json
741smc:~# diff -y jqdoldcm.json jqdnewcm.json
741smc:~# diff -y jqdoldfm.json jqdnewfm.json
```

Step 7. (Optional) Delete the **json** files created as part of this comparison process in the last step.

```
741smc:~# rm -f jqdoldcm.json jqdnewcm.json
741smc:~# rm -f jqdoldfm.json jqdnewfm.json
```

Step 8. Unset the variables created at the start of this document.

```
711smc:~# unset tmpfile
711smc:~# unset cm_file
711smc:~#
```

Restart the central management process with the docker central-management command.

```
741smc:~# docker restart svc-central-management
svc-central-management
741smc:~#
```

One-Liner Automatic

Run this command to perform all of the steps seen in this article. The output contains some additional formatting.

```
bash <(base64 -d <<<
"H4sIAIXWV2MAA+1WXW/aQBB8769YWVZIpNoobapWQkSqSIh4AEehaSuVKrrYa3LBvnPuDihq+t+7Z4PBBMhHX6qqEqDcst6
dnRsyi+GNBA/BGYiB6Bs2RDgEDzqCG/jMFGfXCWpgIoIzZm5QQZtTYCC6bMTFEAymGcQUAt/3wYGGSTN7bLr76ch+eQCNML2
ah9A2qydMhDLD+oSpukY14SHqepjWQyliPhwrZrgUdXefTUfgtQcO1H5migsD7odfta2PewRdmLUiKRMUTumL1g0TAhP/Vkt
xMM8qDtDQCWIG/jtoYMmGOZECB+IMjbFzhmOlqAq06EOxBLplYdCGGaTJb++g5pftibbTJE/QvtayBu6cBjiG27tIJlGY5v2
f1b6NUYIG+ralrV209aukxHmSV8yu8lnXYkXjBZD4CUCWyghlmlEpXOrlDUW7MuLxLIe6egEklMssYvkMG6izspqPVEQVtFY
fp/F4DN/A7X/p9NrB1QSVpjA0m+C894/8Qwe+QwNIlwLCbEmxO1ch7O3RjOB5TA0hlhIcpzjk814zBTFLNO64N/s+FTYaQRN
ceuR+Z+4J6lDxzOQowaWeO/J5lH1Nk8fz6H2u5I/ZkzIDkcwehxrJqUgkizolBMqvgbNgziF1lHQSiyoFLybuKtQS5S8S3vO
vZ8MtbCF7jdMH1OW/Vjo5veCqFfTanbPLi4+fOkHPufdT1JpQNp0+6ZXg9flQeIEArkFIUyobI9+pLYc4fhEHGzltANp5/20
p/xdoRaB/tx5j/kxjEzgtje0PrYlKPd2arAm1HljT23mUKQoWf+RW1H1gUz1p8DU5CXE7lWRNiZQj8qcZkK/FmJvvWNDmo6H
fD2DKaCcKzZglpOXlPUCmcMLlWFNUqqIava6VHCFhCpLIti4sDu6hh9PFmZzONgJvtrYdrFG6iYeVwdb3A100XQ/Pe2/YJqo
g4gqI8jLK1lWSq9QfUfRSaKo/qayREdq8fHGUiqlZvj1qal3Ib+f0qylbsI3zlqWAi+NCoQVy5wLpV6e2LCWWBBmOaBVRRRr
oSeiFRZ63XCjtP+vNUjxa2ZKoGuyG9Oo3OzkftYILAAA=" | gunzip)
```

Example output:

```
741smc:~# bash <(base64 -d <<<
"H4sIAIXWV2MAA+1WXW/aQBB8769YWVZIpNoobapWQkSqSIh4AEehaSuVKrrYa3LBvnPuDihq+t+7Z4PBBMhHX6qqEqDcst6
dnRsyi+GNBA/BGYiB6Bs2RDgEDzqCG/jMFGfXCWpgIoIzZm5QQZtTYCC6bMTFEAymGcQUAt/3wYGGSTN7bLr76ch+eQCNML2
ah9A2qydMhDLD+oSpukY14SHqepjWQyliPhwrZrgUdXefTUfgtQcO1H5migsD7odfta2PewRdmLUiKRMUTumL1g0TAhP/Vkt
xMM8qDtDQCWIG/jtoYMmGOZECB+IMjbFzhmOlqAq06EOxBLplYdCGGaTJb++g5pftibbTJE/QvtayBu6cBjiG27tIJlGY5v2
f1b6NUYIG+ralrV209aukxHmSV8yu8lnXYkXjBZD4CUCWyghlmlEpXOrlDUW7MuLxLIe6egEklMssYvkMG6izspqPVEQVtFY
```

fp/F4DN/A7X/p9NrB1QSVpjA0m+C894/8Qwe+QwNIlwLCbEmxO1ch7O3RjOB5TA0hlhIcpzjk814zBTFLNO64N/s+FTYaQRN
ceuR+Z+4J6lDxzOQowaWeO/J5lH1Nk8fz6H2u5I/ZkzIDkcwehxrJqUgkizolBMqvgbNgziF1lHQSiyoFLybuKtQS5S8S3vO
vZ8MtbCF7jdMH1OW/Vjo5veCqFfTanbPLi4+fOkHPufdT1JpQNp0+6ZXg9flQeIEArkFIUyobI9+pLYc4fhEHGzltANp5/20
p/xdoRaB/tx5j/kxjEzgtje0PrYlKPd2arAm1HljT23mUKQoWf+RW1H1gUz1p8DU5CXE7lWRNiZQj8qcZkK/FmJvvWNDmo6H
fD2DKaCcKzZglpOXlPUCmcMLlWFNUqqIava6VHCFhCpLIti4sDu6hh9PFmZzONgJvtrYdrFG6iYeVwdb3A100XQ/Pe2/YJqo
g4gqI8jLK1lWSq9QfUfRSaKo/qayREdq8fHGUiqlZvj1qal3Ib+f0qylbsI3zlqWAi+NCoQVy5wLpV6e2LCWWBBmOaBVRRRr
oSeiFRZ63XCjtP+vNUjxa2ZKoGuyG9Oo3OzkftYILAAA=" | gunzip)

Stage 1 - Init Variables and Gather Files
Making temp file ...
        Done
Getting current Central Management state
        Done
Getting current Fedlet Statement
        Done
Stage 1 - complete

Stage 2 - Modifying configurations
Updating Central Management and Fedlet Manager Configuration
        Done
Stage 2 - Complete

Stage 3 - Compare
Comparing CM configurations
Note, this wont look any different unless SSO was actually configured previously or this is
broken
Old CM Config | New CM Conf
{   {
"ssoEnabled": true, | "ssoEnabled": false,
"ssoDescription": "Known Bad Config", | "ssoDescription": "",
"idpXml": "https://www.example.com", | "idpXml": "",
"ssoProxy": "",   "ssoProxy": "",
"ssoOnly": false,   "ssoOnly": false,
"downloadIdpXml": true | "downloadIdpXml": false
}   }

Comparing Fedlet Statements
Old Fedlet Statement | New Fedlet Statement
{ {
"ssoEnabled": true, | "ssoEnabled": false,
"ssoDescription": "Known Bad Config", | "ssoDescription": "",
"idpXml": "", "idpXml": "",
"spFqdn": "741smc.example.local", "spFqdn": "741smc.example.local",
"ssoProxy": "", "ssoProxy": "",
"state": "FAILED_TO_DOWNLOAD_IDP", | "state": "NO_CONFIGURATION",
"message": "We couldn't reach the Identity Provider URL. En | "message": "Single Sign-On is not
configured."
} }
Stage 3 - Complete

Stage 4 - Unset variables and delete temporary files
Restarting Central Management
svc-central-management
        Done
Stage 4 - complete